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DERWENT-WEEK: 200202

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TITLE: Electrical rotary machine esp. generator - has stator divided into stator segments each having cooling channel in which are arranged several HV conductors

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PATENT-FAMILY:

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AU 200133755 A	September 3, 2001	N/A	000
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WO 200163725	August 30, 2001	G	018
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A1	September 6, 2001	N/A	000
H02K 001/20			
DE 10008807 A1			

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APPLICATION-DATA:

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AU 200133755A	N/A	2001AU-0033755
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AU 200133755A	Based on	WO 200163725
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WO	N/A	2001WO-EP01471
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ABSTRACTED-PUB-NO: WO 200163725A

BASIC-ABSTRACT: An electrical rotary machine (2) has a stator (4) with stator windings which have a number of high-voltage (HV) conductors (14), many of which are arranged in a coolant channel (10). The stator (4) is divided into stator segments (12) forming a circular ring, as viewed in cross-section, and each of the stator segments (12) specifically has a coolant channel (10) in which are arranged several of the HV conductors (14).

More specifically, the coolant channel (10) is designed as a cooling gas channel.

USE - Turbogenerator e.g. for 30kV up to several 100kV for system or supply voltage of remote power supply network e.g. for 110kV.

ADVANTAGE - Provides efficient cooling for high-voltage generator.

CHOSEN-DRAWING: Dwg.1/3

DERWENT-CLASS: V06 X11

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